

00684.003320.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of:)	
JUN KAMATANI ET AL.)	Examiner: Marie Yamnitzky
Appln. No.: 10/073,012)	Art Unit: 1774
Filed: February 12, 2002)	Confirmation No. 6666
For: LUMINESCENCE DEVICE AND DISPLAY APPARATUS)	
U.S. Patent No.: 7,147,935 B2)	
Issued: December 12, 2006)	May 24, 2007

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF CORRECTION
UNDER RULES 322 AND 323

Sir:

It is respectfully requested that a Certificate of Correction be issued by the Patent and Trademark Office due to errors which appear in the printed patent as a result of Patent and Trademark Office mistakes, and mistakes of a clerical, typographical, or minor character, which were not the fault of the Patent and Trademark Office. A Certificate of Correction form is attached.

The \$100.00 to cover the statutory fee for such Certificate of Correction is submitted herewith via Deposit Account 50-3939.

Patentees' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

/Jason M. Okun/
Jason M. Okun
Attorney for Patentees
Registration No. 48,512

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CERTIFICATE OF CORRECTION

PATENT NO. : US 7,147,935 B2

DATED : December 12, 2006

INVENTOR(S) : JUN KAMATANI ET AL.

Page 1 of 19

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE [56] REFERENCES CITED:

Other Publications (Page 1, after Carmen Navarro), "Cytosin" should read
--Cytosine--.

ON THE TITLE PAGE [56] REFERENCES CITED:

Other Publications (Page 2, after C.H. Chen), "Mat rials,"" should read
--Materials--.

ON THE TITLE PAGE [56] REFERENCES CITED:

Other Publications (Page 2, after R.D. Chambers (second occurrence)),
"Heptafluoro-quinolin" should read --Heptafluoro-quinoline--.

ON THE TITLE PAGE [56] REFERENCES CITED:

Other Publications (Page 2, after M. Gordon), "Catayst" should read
--Catalyst--.

ON THE TITLE PAGE [56] REFERENCES CITED:

Other Publications (Page 2, after M. Gordon), "Quinolin ," should read
--Quinoline,--.

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Page 2 of 19

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE [56] REFERENCES CITED:

Other Publications (Page 2), "Micro G. Colombo" should read --Mirco G. Colombo--.

ON THE TITLE PAGE [57] ABSTRACT:

Line 6, "represent" should read --L and L' represent--

COLUMN 4:

Line 57, "isoguinolyl" should read --isoquinolyl--.

COLUMN 5:

Line 65, "group" should read --group,--.

COLUMN 7:

Line 47, "atomg" should read --atom--.

COLUMN 10:

Line 2, "layer layer" should read --layer--; and
Line 9, "election" should read --electron--.

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Page 3 of 19

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COLUMN 25:

Table 4, Lines 89-93 should read

--

89	Rh	3	0	Np2	Iq2	-	-	-	-	-	H	H	-	-	-	-	-	H	H	H	H	H	H	-	-	-	-
90	Rh	3	0	F1	Iq2	-	-	-	-	-	H	H	-	-	-	-	-	H	H	H	H	H	H	-	-	-	-
91	Rh	2	1	Ph	Iq2	Ph	Pr	-	-	-	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
92	Rh	2	1	Ph	Iq2	Ph	Pr	-	-	-	H	CH3	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
93	Rh	2	1	Ph	Iq2	Ph	Pr	-	-	-	H	H	CH3	H	H	H	H	H	H	H	H	H	H	H	H	H	H

--.

COLUMN 27:

Table 5, "ph" should read --Ph--.

COLUMN 33:

Table 7, "220 H C8H17" should read --220 H H--.

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Page 4 of 19

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COLUMN 39:

Table 9, Lines 261-266 should read

--

No	A			
	R1	R2	R3	R4
261	H	C12H25	H	H
262	H	H	CF3	H
263	H	H	CF3	H
264	H	H	CF3	H
265	H	H	CF3	H
266	H	H	CF3	H

--.

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Page 5 of 19

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COLUMN 40:

Table 9 (continued), Lines 261-286 should read

--

No	B						B'
	R5	R6	R7	R8	R9	R10	R5
261	H	H	H	H	H	H	H
262	H	H	H	H	H	H	—
263	H	H	H	H	F	H	—
264	H	H	H	H	CF3	H	—
265	H	H	H	F	H	H	—
266	H	H	H	CF3	H	H	—
267	H	H	H	H	H	H	—
268	H	H	H	H	CF3	H	—
269	H	H	H	H	H	H	—
270	H	H	H	H	H	H	—
271	H	H	H	H	H	H	—
272	H	H	H	CF3	H	H	—
273	H	H	H	H	H	H	—
274	H	H	H	H	H	H	—
275	H	H	H	H	H	H	—
276	H	H	H	H	H	H	H
277	H	H	H	H	H	H	—
278	H	H	H	H	H	H	—
279	H	H	H	H	H	H	—
280	H	H	H	H	H	H	—
281	H	H	H	H	H	H	H
282	H	H	H	H	H	H	H
283	H	H	H	H	H	H	H
284	H	H	H	H	H	H	H
285	H	H	H	H	H	H	H
286	H	H	H	H	H	H	H

--.

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COLUMN 41:

Table 9 (continued), Lines 287-300 should read

--

TABLE 9 - continued								
287	H	H	H	H	H	H	H	H
288	H	H	H	H	H	H	H	H
289	H	H	H	H	H	H	H	H
290	H	H	H	H	H	H	H	H
291	H	H	H	H	H	H	H	H
292	H	H	H	H	H	H	H	H
293	H	H	H	H	H	H	H	H
294	H	H	H	H	H	H	H	H
295	H	H	H	H	H	H	H	H
296	H	H	H	—C≡CC4H9	H	H	H	H
297	H	H	H	H	H	H	H	—
298	H	H	H	H	H	H	H	—
299	H	H	H	H	H	H	H	—
300	H	H	H	H	H	H	H	—

--; and

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Page 7 of 19

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COLUMN 41:

Table 9 (continued), Lines 261 and 276 should read

--

No	B'					B''			
	R6	R7	R8	R9	R10	R5	R6	R7	R8
261	H	H	H	-	-	-	-	-	-
262	-	-	-	-	-	-	-	-	-
263	-	-	-	-	-	-	-	-	-
264	-	-	-	-	-	-	-	-	-
265	-	-	-	-	-	-	-	-	-
266	-	-	-	-	-	-	-	-	-
267	-	-	-	-	-	-	-	-	-
268	-	-	-	-	-	-	-	-	-
269	-	-	-	-	-	-	-	-	-
270	-	-	-	-	-	-	-	-	-
271	-	-	-	-	-	-	-	-	-
272	-	-	-	-	-	-	-	-	-
273	-	-	-	-	-	-	-	-	-
274	-	-	-	-	-	-	-	-	-
275	-	-	-	-	-	-	-	-	-
276	H	H	H	-	-	-	-	-	-
277	-	-	-	-	-	-	-	-	-

--.

COLUMN 42:

Table 10 (continued), "A'" should read --A'--.

COLUMN 43:

Table 10 (continued), "B'" should read --B'--.

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Page 8 of 19

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COLUMN 46:

Table 11 (continued), "Ig2" should read --Iq2--.

COLUMN 49:

Table 12, Lines 381-387 should read

--

No	A				A'				B			
	R1	R2	R3	R4	R1	R2	R3	R4	R5	R6	R7	R8
381	H	CH3O	H	H	-	-	-	-	H	H	H	H
382	H	C2H5O	H	H	-	-	-	-	H	H	H	H
383	H	C2H5O	H	H	-	-	-	-	H	H	H	F
384	H	C2H5O	H	H	-	-	-	-	H	H	H	H
385	H	C2H5O	H	H	H	H	H	H	H	H	H	H
386	H	C2H5O	H	H	-	-	-	-	H	H	H	H
387	H	C2H5O	H	H	-	-	-	-	H	H	H	H

--; and

Table 12 (continued), Line 398 should be deleted.

COLUMN 51:

Table 12 (continued), "B'" should read --B'--; and "409 H" should read --409 F--; and

Table 12 (continued), Line 398 should be deleted.

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Page 9 of 19

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 55:

Table 14 (continued),

“

No	R1	R2	R3	R4	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10
460	F	F	F	F	—	—	F	F	F	F	F	F		
461	F	F	F	F	—	—	—	F	F	F	F	F	F	
462	F	F	F	F	—	—	—	—	F	F	F	F	F	F

”

should read --

No	A				A'				B					
	R1	R2	R3	R4	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10
460	F	F	F	F	—	—	—	—	F	F	F	F	F	F
461	F	F	F	F	—	—	—	—	F	F	F	F	F	F
462	F	F	F	F	—	—	—	—	F	F	F	F	F	F

--.

COLUMN 55:

Table 14 (continued), “B’” should read --B’--.

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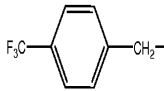
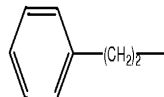
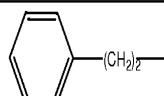
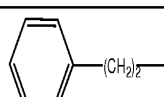
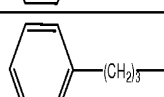
INVENTOR(S) : JUN KAMATANI ET AL.

Page 10 of 19

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 57:

Table 14 (continued), Insert --Table 14-2B

No	A				A'				B						B'						B''					
	R1	R2	R3	R4	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R5	R6	R7	R8	R9	R10	R5	R6	R7	R8	R9	R10
486	H		H	H	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-
487	H		H	H	-	-	-	-	H	H	H	F	H	H	-	-	-	-	-	-	-	-	-	-	-	-
488	H		H	H	-	-	-	-	H	H	H	H	C6H13	H	-	-	-	-	-	-	-	-	-	-	-	-
489	H		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	-	-	-	-	-	-	-	-
490	H		H	H	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-

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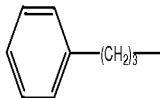
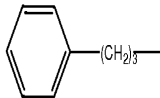
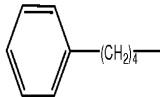
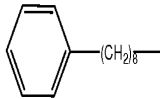
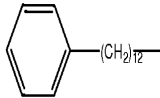
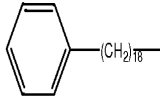
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Page 11 of 19

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No	A				A'				B						B'						B''					
	R1	R2	R3	R4	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R5	R6	R7	R8	R9	R10	R5	R6	R7	R8	R9	R10
491	H		H	H	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-
492	H		H	H	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-
493	H		H	H	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-
494	H		H	H	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	H	H	H	H	-	-
495	H		H	H	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	H	H	C2H5	H	-	-
496	H		CH3	H	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	H	H	H	H	H	H
497	H	H	F	F	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-

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	R1	R2	R3	R4	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R5	R6	R7	R8	R9	R10	R5	R6	R7	R8	R9	R10
498	H	H	F	F	-	-	-	-	H	H	H	F	H	H	-	-	-	-	-	-	-	-	-	-	-	-
499	H	H	F	F	-	-	-	-	H	H	H	H	C6H13	H	-	-	-	-	-	-	-	-	-	-	-	-
500	H	H	F	F	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	-	-	-	-	-	-	-
501	H	H	F	F	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-
502	H	H	F	F	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-
503	H	H	F	F	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-
504	H	H	F	F	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	-	-	-
505	H	H	F	F	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	H	H	H	H	-	-
506	H	H	F	F	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	H	H	C4H9	H	-	-
507	H	H	F	F	-	-	-	-	H	H	H	H	H	H	-	-	-	-	-	-	H	H	H	H	H	H
508	H	CH3	F	F	-	-	-	-	H	H	H	CF3	H	H	-	-	-	-	-	-	-	-	-	-	-	-
509	H	CH3	F	F	-	-	-	-	H	H	H	F	H	H	-	-	-	-	-	-	-	-	-	-	-	-

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DATED : December 12, 2006

INVENTOR(S) : JUN KAMATANI ET AL.

Page 13 of 19

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 58:

Table 15, Line 545, "H" should read --F--.

COLUMN 67:

Table 23, Line 785, "HHHH" should read --HHFH--.

COLUMN 69:

Table 22, Line 763, "Iq5" should read --Iq6--.

COLUMN 71:

Table 23 (continued), Line 795, "--HHH" should read ---HFH--.

COLUMN 73:

Table 24, "Luminesceance" should read --Luminescence--.

COLUMN 83:

Line 48, "acid.acid." should read --acid.--; and
Line 55, "yield 0.78" should read --yield = 0.78--.

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Page 14 of 19

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COLUMN 85:

Line 23, "Ir(PPY)₃." should read --Ir(ppy)₃--; and

Line 35, "Ir(PPY)₃." should read --Ir(ppy)₃--.

COLUMN 86:

Line 65, "C² N" should read --C², N--.

COLUMN 87:

Line 3, "C²₁ N)-iridium" should read --C², N)-iridium--.

COLUMN 88:

Line 55, "C²₁ N]" should read --C², N)--.

COLUMN 89:

Line 18, "C²₁ N]" should read --C², N]--; and

Line 30, "Ir(PPY)₃" should read --Ir(ppy)₃--.

COLUMN 90:

Line 1, "Ir(pPY)₃" should read --Ir(ppy)₃--;

Line 7, "Ir(PPY)₃" should read --Ir(ppy)₃--;

Line 16, "C²]N" should read --C², N]--;

Line 29, "C², N" should read --C², N]--;

Line 30, "[(μ -dichloro)" should read --(μ -dichloro)--;

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Page 15 of 19

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Line 54, "Bis [-(5,6" should read --Bis[1-(5,6--; and
Line 66, "N(μ -dichloro)" should read --N](μ -dichloro)--.

COLUMN 91:

Line 15, "C²]N(μ -" should read --C², N](μ ---;
Line 20, "trifluoromethylisoquinoline" should read
--trifluoromethylisoquinoline--;
Line 27, "1-phenyl-41" should read --1-phenyl-4--; and
Line 35, "trifluoromethylisoquinoline-C N]" should read
--trifluoromethylisoquinoline-C², N]--.

COLUMN 92:

Line 50, "4-trifluoromethyl quinoline" should read
--4-trifluoromethylquinoline--.

COLUMN 94:

Line 34, "Tris[3,4,5,6" should read --Tris[1-(3,4,5,6--.

COLUMN 95:

Line 64, "C²]N" should read --C², N]--.

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Page 16 of 19

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COLUMN 96:

Line 11, "C²]N" should read --C², N]--.

COLUMN 97:

Line 9, "C²₁N)" should read --C², N)--.

COLUMN 98:

Line 32, "C² JN" should read --C², N]--.

COLUMN 100:

Line 52, "(1-dichloro)" should read --(μ-dichloro)--; and
Line 63, "1H-perfluoroheptyloxyphenyl]" should read --1H-perfluoroheptyloxy)phenyl]--.

COLUMN 101:

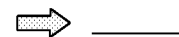
Line 6, "I-phe-" should read --1-phe--;
Line 10, "C² , N}" should read --C², N}--;
Line 37, "(1-phenylphenyl" should read --1-phenyl--; and
Line 53, "(pu-" should read --μ--.

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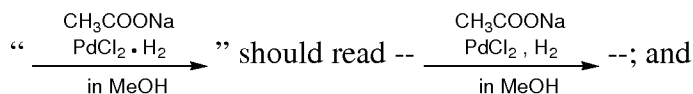
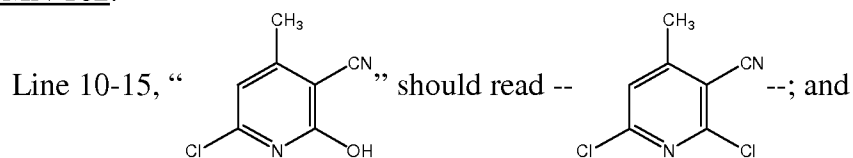
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 102:

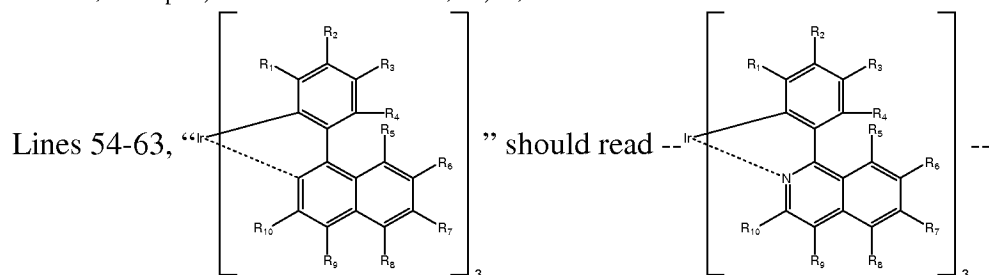


Line 43, “azaiso-quinol-” should read --azaisoquinol--.

COLUMN 104:

Line 2, “azaiboquinoline” should read --azaisoquinoline--;

Line 5, “C²₁ N)” should read --C², N)--; and



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COLUMN 105:

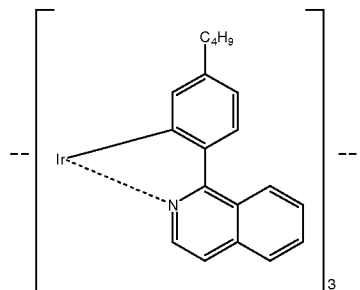
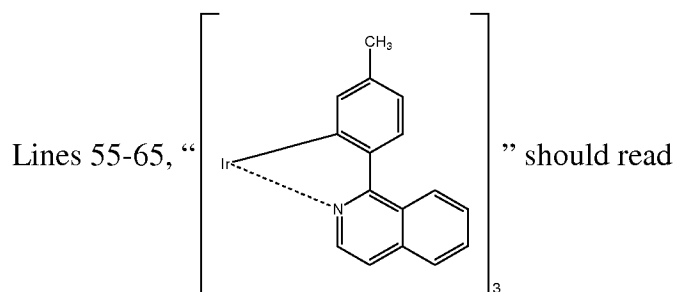
Line 2, “-CH” should be deleted;

Line 3, “(HC₃)₂,” should read ---CH(CH₃)₂; and “C₃H₇O-,” should read --C₃H₇O--;

Line 5, “-Si(C₄H₉)” should read ---Si(C₄H₉)₃--;

Line 6, “₃,” should be deleted.

COLUMN 106:



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COLUMN 112:

Line 3, "claim 22," should read --claim 25,--.

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